#/10

1631

RAW SEQUENCE LISTING   DATE: 07/06/2000
PATENT APPLICATION: US/09/233,218A   TIME: 13:06:42

Input Set : A:\Tetrapyrole-15090-B.txt
Output Set: N:\CRF3\07062000\I233218A.raw

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 1 <110> APPLICANT: CaJacob, Claire A.
 2       Liu, Jingdong
 4 <120> TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
 5       The Tetrapyrrole Pathway
 7 <130> FILE REFERENCE: 38-21(15090)B
 9 <140> CURRENT APPLICATION NUMBER: US 09/233,218A
10 <141> CURRENT FILING DATE: 1999-01-20
12 <150> PRIOR APPLICATION NUMBER: US 60/067,000
13 <151> PRIOR FILING DATE: 1997-11-24
15 <150> PRIOR APPLICATION NUMBER: US 60/069,472
16 <151> PRIOR FILING DATE: 1997-12-09
18 <150> PRIOR APPLICATION NUMBER: US 60/072,027
19 <151> PRIOR FILING DATE: 1998-01-21
21 <150> PRIOR APPLICATION NUMBER: US 60/074,201
22 <151> PRIOR FILING DATE: 1998-02-10
24 <150> PRIOR APPLICATION NUMBER: US 60/074,282
25 <151> PRIOR FILING DATE: 1998-02-10
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28 <151> PRIOR FILING DATE: 1998-02-10
30 <150> PRIOR APPLICATION NUMBER: US 60/074,281
31 <151> PRIOR FILING DATE: 1998-02-10
33 <150> PRIOR APPLICATION NUMBER: US 60/074,566
34 <151> PRIOR FILING DATE: 1998-02-12
36 <150> PRIOR APPLICATION NUMBER: US 60/074,567
37 <151> PRIOR FILING DATE: 1998-02-12
39 <150> PRIOR APPLICATION NUMBER: US 60/074,565
40 <151> PRIOR FILING DATE: 1998-02-12
42 <150> PRIOR APPLICATION NUMBER: US 60/075,462
43 <151> PRIOR FILING DATE: 1998-02-19
45 <150> PRIOR APPLICATION NUMBER: US 60/075,459
46 <151> PRIOR FILING DATE: 1998-02-19
48 <150> PRIOR APPLICATION NUMBER: US 60/075,461
49 <151> PRIOR FILING DATE: 1998-02-19
51 <150> PRIOR APPLICATION NUMBER: US 60/075,464
52 <151> PRIOR FILING DATE: 1998-02-19
54 <150> PRIOR APPLICATION NUMBER: US 60/075,460
55 <151> PRIOR FILING DATE: 1998-02-19
57 <150> PRIOR APPLICATION NUMBER: US 60/075,463
58 <151> PRIOR FILING DATE: 1998-02-19
60 <150> PRIOR APPLICATION NUMBER: US 60/077,231
61 <151> PRIOR FILING DATE: 1998-03-09
63 <150> PRIOR APPLICATION NUMBER: US 60/077,229
64 <151> PRIOR FILING DATE: 1998-03-09
66 <150> PRIOR APPLICATION NUMBER: US 60/077,230
67 <151> PRIOR FILING DATE: 1998-03-09
70 <151> PRIOR FILING DATE: 1998-03-18
73 <151> PRIOR FILING DATE: 1998-04-07
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ENTERED

RECEIVED

JUL 19 2000

TECH CENTER 1600/2900

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                RAW SEQUENCE LISTING                    DATE: 07/06/2000
                PATENT APPLICATION:  US/09/233,218A     TIME: 13:06:42

                Input Set : A:\Tetrapyrole-15090-B.txt
                Output Set: N:\CRF3\07062000\I233218A.raw

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79  <151> PRIOR FILING DATE: 1998-04-29
82  <151> PRIOR FILING DATE: 1998-04-29
85  <151> PRIOR FILING DATE: 1998-04-29
88  <151> PRIOR FILING DATE: 1998-05-13
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118 <151> PRIOR FILING DATE: 1998-06-18
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124 <151> PRIOR FILING DATE: 1998-06-29
127 <151> PRIOR FILING DATE: 1998-06-30
130 <151> PRIOR FILING DATE: 1998-06-30
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136 <151> PRIOR FILING DATE: 1998-09-09
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142 <151> PRIOR FILING DATE: 1998-09-16
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148 <151> PRIOR FILING DATE: 1998-09-22
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160 <151> PRIOR FILING DATE: 1998-10-13
163 <151> PRIOR FILING DATE: 1998-10-13
166 <151> PRIOR FILING DATE: 1998-11-18
169 <151> PRIOR FILING DATE: 1998-11-18
172 <151> PRIOR FILING DATE: 1998-11-24
175 <151> PRIOR FILING DATE: 1998-12-08
178 <151> PRIOR FILING DATE: 1998-12-11
181 <151> PRIOR FILING DATE: 1998-12-22
183 <160> NUMBER OF SEQ ID NOS: 677
185 <210> SEQ ID NO: 1
186 <211> LENGTH: 257
187 <212> TYPE: DNA
188 <213> ORGANISM: Glycine max
190 <400> SEQUENCE: 1
192 tgctgcttct ggaaattttc attggaattt tgaagatgtt gctaaatcaa ttgtgtgcat    60
194 gatgatgtct ggcccattct tgacaggata tacccagact atgaatgatt ggtacgaccg   120
196 agaaattgat gcaataaatg aaccttatag accaattcct tctggggcaa tatctgagaa   180
198 tgaggtaatc actcaaatat gggtgttgct gcttggtggt ctttctctgg ctggtatatt   240
200 ggacatatgg gcagggc                                                  257
203 <210> SEQ ID NO: 2
204 <211> LENGTH: 272
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                RAW SEQUENCE LISTING                    DATE: 07/06/2000
                PATENT APPLICATION:  US/09/233,218A     TIME: 13:06:42

                Input Set : A:\Tetrapyrole-15090-B.txt
                Output Set: N:\CRF3\07062000\I233218A.raw

   205 <212> TYPE: DNA
   206 <213> ORGANISM: Glycine max
   208 <223> OTHER INFORMATION: unsure at all n locations
W--> 209 <400> SEQUENCE: 2
   211 cacatgtaag catctcaagc tctgctgaat cttcaatggc ttctctactc aacatggttt    60
W--> 213 ctgttccatc aagaaatatca ccaagctcac acacgagaac cacttcaang caatctcgaa   120
   215 ctgttttgcc accattttct gtctcatttt ccaggaggag attatcaatt agagcaacag   180
   217 aaactgatac taatgaagtt caatctcagg cgccgggtac agcaccatca aaagatggtt   240
   219 caagcttcaa ccagctcctt ggtattaaag ga                                  272
   222 <210> SEQ ID NO: 3
   223 <211> LENGTH: 156
   224 <212> TYPE: DNA
   225 <213> ORGANISM: Glycine max
   227 <400> SEQUENCE: 3
   229 aagaaacaaa taagtggaag attcgtcttc aacttacaaa gccagtcact tggcctccat    60
   231 taatttgggg tgtagtttgt ggagctgctg cttctggaaa ttttcattgg aattttggaa   120
   233 tgtgtgctaaa tcaattgtgt gcatgatgat gtctgg                             156
   236 <210> SEQ ID NO: 4
   237 <211> LENGTH: 348
   238 <212> TYPE: DNA
   239 <213> ORGANISM: Glycine max
   241 <400> SEQUENCE: 4
   243 agtacggctg cgagaagacg acagaagggg aaggcatctt caagctctga atctgcaatg    60
   245 gcttctctac tcaacatggt ttcggttcca ccaagaatat caccaacctc acacaccaga   120
   247 atcgcttcgc ttcaagctcg acccgttttg ccaccctttt ctgtctcatt ttccaggagg   180
   249 agactatcaa ttagagcaac agaaactgat accaatgaag ttcaatctca ggcaccgggt   240
   251 gcagcgccat ctaaagatgg ttcaagcttc aatcagcttc ttggtatcaa aggagctgcc   300
   253 caagaaacaa ataaatggaa aattcgtctt caactcacaa agcctgtc                 348
   256 <210> SEQ ID NO: 5
   257 <211> LENGTH: 245
   258 <212> TYPE: DNA
   259 <213> ORGANISM: Glycine max
   261 <223> OTHER INFORMATION: unsure at all n locations
W--> 262 <400> SEQUENCE: 5
W--> 264 ctctgaatct gcaatggctt ctctactcaa catgtttcg gttncaccaa gactatcact    60
W--> 266 cnnctcacac accagaatcg cttcgcttca agctcgaccc gtttgccacc cttttctgtc   120
   268 tcattttcca ggaggagact atcaattaga gcaacagaaa ctgataccaa tgaagttcaa   180
   270 tctcaggcac cgggtgcagc gccatctaaa gatggttcaa gcttcaatca gcttcttggt   240
   272 atcaa                                                               245
   275 <210> SEQ ID NO: 6
   276 <211> LENGTH: 268
   277 <212> TYPE: DNA
   278 <213> ORGANISM: Glycine max
   280 <400> SEQUENCE: 6
   282 tggcatcttc aagtctgaa tctgcaatgg cttctctact caacatggtt tcggttccac    60
   284 caagaaatatc accaacctca cacaccagaa tcgcttcgct tcaagctcga cccgttttgc   120
   286 cacccttttc tgtctcattt tccaggagga gactatcaat tagagcaaca gaaactgata   180
   288 ccaatgaagt tcaatctcag gcaccgggtg cagcgccatc taaagatggt tcaagcttca   240
   290 atcagcttct tggtatcaaa ggagctgc                                       268
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                    RAW SEQUENCE LISTING            DATE: 07/06/2000
                    PATENT APPLICATION:  US/09/233,218A   TIME: 13:06:42

                    Input Set : A:\Tetrapyrole-15090-B.txt
                    Output Set: N:\CRF3\07062000\I233218A.raw

    293 <210> SEQ ID NO: 7
    294 <211> LENGTH: 278
    295 <212> TYPE: DNA
    296 <213> ORGANISM: Glycine max
    298 <400> SEQUENCE: 7
    300 cggctgcgag aagacgacag aagggctcag agtactgtta ttgaaaggca aaggacaata   60
    302 gagtatacct gaagccctag agccctatcc ccttcaacac ttttgaagtc attgacaata  120
    304 gcaattccca actgcaatgt gatttaacaa caacattaat aaccattttt atttgacata  180
    306 ttatcatatt catatccaac aaaatgtcat gaagaatata ttacatactc cagctatgct  240
    308 gtataggagt gttgagaacaa ttatatctgg tgtaagag                         278
    311 <210> SEQ ID NO: 8
    312 <211> LENGTH: 248
    313 <212> TYPE: DNA
    314 <213> ORGANISM: Glycine max
    316 <400> SEQUENCE: 8
    318 cggctgcgag aagacgacag aagggctcag agtactgtta ttgaaaggca aaggacaata   60
    320 gagtatacct gaagccctag agccctatcc ccttcaacac ttttgaagtc attgacaata  120
    322 gcaattccca actgcaatgt gatttaacaa caacattaat aaccattttt atttgacata  180
    324 ttatcatatt catatccaac aaaatgtcat gaagaatata ttacatactc cagctatgct  240
    326 gtatagga                                                           248
    329 <210> SEQ ID NO: 9
    330 <211> LENGTH: 258
    331 <212> TYPE: DNA
    332 <213> ORGANISM: Glycine max
    333 <223> OTHER INFORMATION: unsure at all n locations
W--> 335 <400> SEQUENCE: 9
W--> 337 gncancngct angganccta cntncactgg cngagggctt tgaacttagc ctnnnggaca   60
W--> 339 aatcatctng ggcatttcct cctctcgcgc cngttgctng aggacttgga naaatncgag  120
W--> 341 tacccttcaa aggcttgatn atcgtaggnt cacacgacag ggnacacaaa cacattggct  180
W--> 343 ggtaatgtac ctcccaaggc gaaccttggn ggacttgagg ggacttcagg gtggtttgaa  240
    345 tgggctaaag agctcagc                                                258
    348 <210> SEQ ID NO: 10
    349 <211> LENGTH: 270
    350 <212> TYPE: DNA
    351 <213> ORGANISM: Glycine max
    353 <400> SEQUENCE: 10
    355 gtcaatttgt tgataacttt aggcaatcag gccggccact ggatgtgctt gtttgcaatg   60
    357 ctgcggttta cttgccaact gccaagggaac ctacatatac tgctgatggc tttgaactca  120
    359 gtgttggaac caaccatctc gggcatttcc tcctttcgcg ccttttgctt gacgacttga  180
    361 acaaatctga ctaccctctcg aagcggttga tcatgtaggc tcaatcacag gaaacaccaa  240
    363 cacattggct ggaatgtgcc acccaggcta                                   270
    366 <210> SEQ ID NO: 11
    367 <211> LENGTH: 258
    368 <212> TYPE: DNA
    369 <213> ORGANISM: Glycine max
    371 <223> OTHER INFORMATION: unsure at all n locations
W--> 372 <400> SEQUENCE: 11
    374 caggaaacac caacacattg gctggaaatg tgccacccaa ggctaacctt ggtgacatga   60
    376 ggggactagc tggaggcttg aatgggctaa acacttcagc catgatagat ggaggatcct  120
```

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                    RAW SEQUENCE LISTING                  DATE: 07/06/2000
                    PATENT APPLICATION:  US/09/233,218A  TIME: 13:06:42

                    Input Set : A:\Tetrapyrole-15090-B.txt
                    Output Set: N:\CRF3\07062000\I233218A.raw

     378 ttgacggcgc taaggcatac aaggacagca aagtctgcaa catgcttaca atgccagaat  180
W--> 380 tccaacagga ggtcccngtt ganaccnngg natnacatnt gcnccnntan cccngggttn  240
W--> 382 ttcncccaaa ngggnttt                                                  258
     385 <210> SEQ ID NO: 12
     386 <211> LENGTH: 270
     387 <212> TYPE: DNA
     388 <213> ORGANISM: Glycine max
     390 <400> SEQUENCE: 12
     392 gacggcgcta aggcatacaa ggacagcaaa gtctgcaaca tgcttacaat gcaagaattc   60
     394 cacagaagat accatgatga aactgggatc acatttgctt ccctttaccc aggttgcatc  120
     396 gccacaacaq gcttgttcag agagcacatt cccttgttca gacttctctt ccctccattc  180
     398 caaaagtaca taaccaaggg ctttgtctca gaagatgaat caggaaagag acttgcacag  240
     400 gttgtgagtg atccaagcct aacaaaatca                                    270
     403 <210> SEQ ID NO: 13
     404 <211> LENGTH: 262
     405 <212> TYPE: DNA
     406 <213> ORGANISM: Glycine max
     408 <400> SEQUENCE: 13
     410 caggctgctt ctttccccat tgctaaagag ggaaagtctg gtgtttctct caggtacacc   60
     412 acaatgttcg gtgtttcatt gtcggatact ctcaaatctg acccttcagc tttcctcatt  120
     414 gacatgcaaa gaaacaccaa cacctiggct ggacatgtgc cacccaaggc taacctiggt  180
     416 gacttgaggg gactagctgg aggcttgaat gggctaaaca cttcagccat gatagatgga  240
     418 ggatcctttg atggcaccaa gg                                            262
     421 <210> SEQ ID NO: 14
     422 <211> LENGTH: 279
     423 <212> TYPE: DNA
     424 <213> ORGANISM: Glycine max
     426 <223> OTHER INFORMATION: unsure at all n locations
W--> 427 <400> SEQUENCE: 14
     429 ccatttgctt ccctttaccc cggttgcatt gccacaacag gcctgttcag agagcacatt   60
W--> 431 cccttgttca naactctgtt ccctccattc cagaagtaca taaccaaagg ctatgtctca  120
     433 gaagatgaag caggaaagag acttgctcag gttgtaagtg atccaagcct aacaaaatct  180
     435 ggtgtttact ggagctggaa caaagcatca gcttcgtttg aaaaccagtt gtctcaggag  240
     437 gccagtgata cagagaaggc tcgtaagatc tgggagnta                          279
     440 <210> SEQ ID NO: 15
     441 <211> LENGTH: 346
     442 <212> TYPE: DNA
     443 <213> ORGANISM: Glycine max
     445 <400> SEQUENCE: 15
     447 aaacaaagga cccagtttta catttttttt tgttcctgag ttccaatggc tcttcaggct   60
     449 gcttccttgg tttctgcttc tttttctatt gctaaagagg gaaagtctgg tgtatctctc  120
     451 agggacacca caatgtttgg tgtttcattg tcggatactc tcaaatctga cttcagctct  180
     453 ccctcatcga cttgcaaaag ggaattccaa caaaaatttg gcccttgag ggttcagtca  240
     455 gtggcaacaa caactccagg agtcaccaag gcttcaccag aaggcaagaa aactttgagg  300
     457 aaaggcagtg ttattatcac tggggcttcc tctggattag gctggc                  346
     460 <210> SEQ ID NO: 16
     461 <211> LENGTH: 256
     462 <212> TYPE: DNA
     463 <213> ORGANISM: Glycine max
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
<223> fields of each sequence which presents at least one n r Xaa.

```
                    VERIFICATION SUMMARY              DATE: 07/06/2000
                    PATENT APPLICATION:  US/09/233,218A     TIME: 13:06:43

                    Input Set : A:\Tetrapyrole-15090-B.txt
                    Output Set: N:\CRF3\07062000\I233218A.raw

L:69 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:72 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:75 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:78 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:81 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:84 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:87 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:90 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:93 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:96 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:99 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:102 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:105 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:108 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:111 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:114 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:117 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:120 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:123 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:126 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:129 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:132 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:135 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:138 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:141 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:144 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:147 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:150 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:153 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:156 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:159 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:162 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:165 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:168 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:171 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:174 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:177 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:180 M:259 W: Field exceeds allowed number of lines, 19 <150> PRIOR APPLICATION NUMBER
L:209 M:283 W: Missing Blank Line separator, <400> field identifier
L:213 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:213 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:213 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:213 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
L:262 M:283 W: Missing Blank Line separator, <400> field identifier
L:264 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:264 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:264 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:264 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:5
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                    VERIFICATION SUMMARY              DATE: 07/06/2000
                    PATENT APPLICATION:  US/09/233,218A    TIME: 13:06:43

                    Input Set : A:\Tetrapyrole-15090-B.txt
                    Output Set: N:\CRF3\07062000\I233218A.raw

L:266 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:266 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:266 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
M:340 Repeated in SeqNo=5
L:335 M:283 W: Missing Blank Line separator, <400> field identifier
L:337 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:337 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:337 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:337 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9
L:339 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:339 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:339 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
M:340 Repeated in SeqNo=9
L:341 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:341 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:341 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:343 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:343 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:343 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:372 M:283 W: Missing Blank Line separator, <400> field identifier
L:380 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:11
L:380 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11
L:380 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11
L:380 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11
L:382 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:11
L:382 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11
L:382 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11
M:340 Repeated in SeqNo=11
L:427 M:283 W: Missing Blank Line separator, <400> field identifier
L:431 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14
L:431 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:14
L:431 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:14
L:431 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:14
L:437 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14
L:437 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:14
L:437 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:14
M:340 Repeated in SeqNo=14
L:502 M:283 W: Missing Blank Line separator, <400> field identifier
L:504 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:18
L:504 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:18
L:504 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:18
L:504 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:18
L:514 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:18
L:514 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:18
L:514 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:18
M:340 Repeated in SeqNo=18
L:685 M:283 W: Missing Blank Line separator, <400> field identifier
L:691 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:28
L:691 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:28
```

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                    VERIFICATION SUMMARY                  DATE: 07/06/2000
                    PATENT APPLICATION:  US/09/233,218A   TIME: 13:06:43

                    Input Set : A:\Tetrapyrole-15090-B.txt
                    Output Set: N:\CRF3\07062000\I233218A.raw

L:691 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28
L:691 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:28
L:693 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:28
L:693 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:28
L:693 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28
M:340 Repeated in SeqNo=28
L:695 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:28
L:695 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:28
L:695 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28
L:704 M:283 W: Missing Blank Line separator, <400> field identifier
L:706 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:29
L:706 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:29
L:706 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:29
M:340 Repeated in SeqNo=29
L:739 M:283 W: Missing Blank Line separator, <400> field identifier
L:755 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:31
L:782 M:283 W: Missing Blank Line separator, <400> field identifier
L:790 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:33
L:815 M:283 W: Missing Blank Line separator, <400> field identifier
L:817 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:35
L:834 M:283 W: Missing Blank Line separator, <400> field identifier
L:838 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:36
M:340 Repeated in SeqNo=36
L:909 M:283 W: Missing Blank Line separator, <400> field identifier
L:911 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:40
L:928 M:283 W: Missing Blank Line separator, <400> field identifier
L:930 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:41
M:340 Repeated in SeqNo=41
L:1033 M:283 W: Missing Blank Line separator, <400> field identifier
L:1041 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:47
M:340 Repeated in SeqNo=47
L:1124 M:283 W: Missing Blank Line separator, <400> field identifier
L:1132 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:52
L:1143 M:283 W: Missing Blank Line separator, <400> field identifier
L:1145 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:53
M:340 Repeated in SeqNo=53
L:1162 M:283 W: Missing Blank Line separator, <400> field identifier
L:1164 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:54
M:340 Repeated in SeqNo=54
L:1339 M:283 W: Missing Blank Line separator, <400> field identifier
L:1341 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:64
M:340 Repeated in SeqNo=64
L:1376 M:283 W: Missing Blank Line separator, <400> field identifier
L:1378 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:66
L:1505 M:283 W: Missing Blank Line separator, <400> field identifier
L:1509 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:73
L:1568 M:283 W: Missing Blank Line separator, <400> field identifier
L:1572 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:77
M:340 Repeated in SeqNo=77
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                    VERIFICATION SUMMARY                  DATE: 07/06/2000
                    PATENT APPLICATION:  US/09/233,218A   TIME: 13:06:43

                    Input Set : A:\Tetrapyrole-15090-B.txt
                    Output Set: N:\CRF3\07062000\I233218A.raw

L:1739 M:283 W: Missing Blank Line separator, <400> field identifier
L:1743 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:87
M:340 Repeated in SeqNo=87
L:1798 M:283 W: Missing Blank Line separator, <400> field identifier
L:1806 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:90
L:1871 M:283 W: Missing Blank Line separator, <400> field identifier
L:1873 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:94
L:1908 M:283 W: Missing Blank Line separator, <400> field identifier
L:1910 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:96
L:1927 M:283 W: Missing Blank Line separator, <400> field identifier
L:1929 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:97
M:340 Repeated in SeqNo=96
L:1974 M:283 W: Missing Blank Line separator, <400> field identifier
L:1976 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:100
M:340 Repeated in SeqNo=97
L:2063 M:283 W: Missing Blank Line separator, <400> field identifier
L:2065 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:105
M:340 Repeated in SeqNo=100
L:2210 M:283 W: Missing Blank Line separator, <400> field identifier
L:2212 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:113
M:340 Repeated in SeqNo=105
L:2347 M:283 W: Missing Blank Line separator, <400> field identifier
L:2384 M:283 W: Missing Blank Line separator, <400> field identifier
M:340 Repeated in SeqNo=113
L:2421 M:283 W: Missing Blank Line separator, <400> field identifier
L:2452 M:283 W: Missing Blank Line separator, <400> field identifier
L:2483 M:283 W: Missing Blank Line separator, <400> field identifier
L:2554 M:283 W: Missing Blank Line separator, <400> field identifier
L:2591 M:283 W: Missing Blank Line separator, <400> field identifier
L:2632 M:283 W: Missing Blank Line separator, <400> field identifier
L:2811 M:283 W: Missing Blank Line separator, <400> field identifier
L:2830 M:283 W: Missing Blank Line separator, <400> field identifier
L:2925 M:283 W: Missing Blank Line separator, <400> field identifier
L:3016 M:283 W: Missing Blank Line separator, <400> field identifier
L:3035 M:283 W: Missing Blank Line separator, <400> field identifier
L:3152 M:283 W: Missing Blank Line separator, <400> field identifier
L:3171 M:283 W: Missing Blank Line separator, <400> field identifier
L:3282 M:283 W: Missing Blank Line separator, <400> field identifier
L:3317 M:283 W: Missing Blank Line separator, <400> field identifier
L:3406 M:283 W: Missing Blank Line separator, <400> field identifier
L:3445 M:283 W: Missing Blank Line separator, <400> field identifier
L:3610 M:283 W: Missing Blank Line separator, <400> field identifier
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